

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	09/29/2016 09/29/2016	Herman Phillips

LM Start		Rating **	M	Issue No.	3
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_3				
Comment Code					
Inspector Comment					
Was not able to see flood fight material storage location. The President of the District was not available with me on this inspection.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0349_01_f_2014_4				
Comment Code					
Inspector Comment					
RD 349 has O&M Manual on hand.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0349 Sutter Island

No Photos

RD 349 Unit 1 landside looking downstream at levee slope.

RD 349 Unit 1 waterside looking downstream at shoulder and slope.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.59	09/29/2016 09/29/2016	Herman Phillips

LM Start	0.03	Rating **	M	Issue No.	7
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.326743 °	38.325844 °
				-121.576979 °	-121.577119 °
DWR ID	DWR_RD0349_01_s_2016_7				
Comment Code					
Inspector Comment					
2015: Erosion observed at the toe. [2015 Site ID: SAC_33-9_R]					

No Photos

LM Start	1.24	Rating **	M	Issue No.	10
LM End	1.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.309635 °	38.305938 °
				-121.577290 °	-121.574802 °
DWR ID	DWR_RD0349_01_f_2014_10				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Thin the tree growth so the slope can be seen during inspection.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	1.59	09/29/2016 09/29/2016	Herman Phillips

LM Start	1.53	Rating **	M	Issue No.	21
LM End	1.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305883 °	38.305450 °
				-121.574765 °	-121.574657 °
DWR ID	DWR_RD0349_01_f_2015_21				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the growth from the landside slope.					

No Photos

LM Start	1.56	Rating **	U	Issue No.	13
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.305450 °	38.305162 °
				-121.574687 °	-121.574750 °
DWR ID	DWR_RD0349_01_f_2014_13				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
This Arundo present on the waterward section is blocking the view of the levee section. Remove it from the shoulder and slope.					

Photo 1 of 1 : FA_2016_RD0349_204_13_20161003_00026.jpg



RD 349 Unit 1 waterside shoulder and slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	0.03	Rating **	U	Issue No.	34
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304993 °	38.289043 °
				-121.575160 °	-121.584015 °
DWR ID	DWR_RD0349_02_f_2016_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the unwanted vegetation on the landside levee slope.					

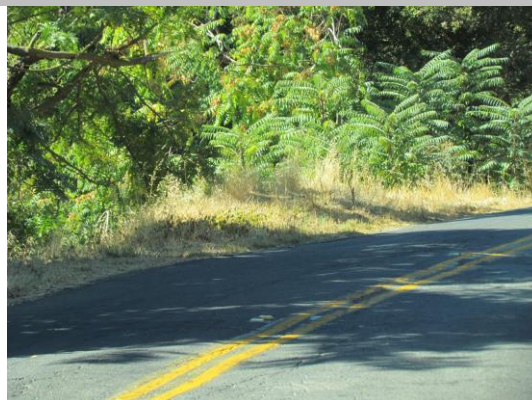
Photo 1 of 1 : FA_2016_RD0349_205_34_20161003_00077.jpg



RD 349 Unit 2 landside slope.

LM Start	0.05	Rating **	U	Issue No.	44
LM End	0.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304863 °	38.299367 °
				-121.575475 °	-121.581493 °
DWR ID	DWR_RD0349_02_s_2016_44				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Unwanted tall weeds and small trees present on the water side slope need to be removed.					

Photo 1 of 1 : FA_2016_RD0349_205_44_20161003_00078.jpg



RD349 Unit 2 looking downstream from the wateside shoulder and levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	0.34	Rating **	M	Issue No.	9
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.302358 °	38.301772 °
				-121.579707 °	-121.580093 °
DWR ID	DWR_RD0349_02_s_2016_9				
Comment Code					
Inspector Comment					
2007 - Slow erosion, probably due to wave wash and fluvial erosion. Site has likely been here for awhile but was unseen due to boats parked in front. 2015: Large tree popout, scarp reaches crown of levee. [2015 Site ID: STM_25-8_R]					

Photo 1 of 1 : FA_2016_RD0349_205_9_20160913_00007.jpg



USACE 2013 Photo #1

LM Start	0.45	Rating **	M	Issue No.	49
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.300990 °	38.300853 °
				-121.580678 °	-121.580748 °
DWR ID	DWR_RD0349_02_s_2016_49				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Thin out the trees to allow the slope to be seen.					

No Photos

LM Start	0.57	Rating **	M	Issue No.	62
LM End	3.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.299367 °	38.262782 °
				-121.581490 °	-121.591812 °
DWR ID	DWR_RD0349_02_f_2014_62				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the unwanted vegetation from the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	0.60	Rating **	M	Issue No.	13
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.298897 °	38.297384 °
				-121.581571 °	-121.582176 °
DWR ID	DWR_RD0349_02_s_2016_13				
Comment Code					
Inspector Comment					
2010 - Small maintenance, erosion into the toe. 2011 - Minor new erosion at toe. 2015: Minor new erosion at toe, new tree popout. [2015 Site ID: STM_25-5_R]					

Photo 1 of 1 : FA_2016_RD0349_205_13_20160913_00010.jpg



USACE 2013 Photo #1

LM Start	1.08	Rating **	U	Issue No.	36
LM End	1.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.292380 °	38.292282 °
				-121.583963 °	-121.583958 °
DWR ID	DWR_RD0349_02_f_2016_36				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Land owner damaged the slope waterside. The damage need to be repaired soon as possible.					

Photo 1 of 3 : FA_2016_RD0349_205_36_20161003_00079.jpg



RD 349 Unit 2 waterside slope and berm Land owner has dug a pit.

LM Start	1.08	Rating **	U	Issue No.	36 (cont)
LM End	1.08	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2016_RD0349_205_36_20161003_00084.jpg



Wind blind dug into the waterside berm lining the pit.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	1.08	Rating **	U	Issue No.	36 (cont)	
LM End	1.08	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.292380 °		38.292282 °
				-121.583963 °		-121.583958 °
DWR ID	DWR_RD0349_02_f_2016_36					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Land owner damaged the slope waterside. The damage need to be repaired soon as possible.						

Photo 3 of 3 : FA_2016_RD0349_205_36_20161003_00088.jpg



The landowner has knotted step into the waterside slope.

LM Start	1.31	Rating **	M	Issue No.	18
LM End	1.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.288913 °	38.288745 °
				-121.583933 °	-121.583938 °
DWR ID	DWR_RD0349_02_s_2012_18				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The landscaping is in need of maintenance to remove the wild growth.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

Photo 1 of 1 : FA_2016_RD0349_205_10_20160913_00008.jpg



USACE 2013 Photo #1

Photo 1 of 1 : FA_2016_RD0349_205_56_20161003_00089.jpg



Looking downstream from levee mile 1.33 to 2.36.

Comment Code
V7 : Trees / Woody Vegetation
Inspector Comment
Remove this unwanted woody tree growth and wild vegetation from the levee slope landward.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	2.04	Rating **	M	Issue No.	19
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.280069 °	38.279919 °
				-121.589443 °	-121.589438 °
DWR ID	DWR_RD0349_02_s_2016_19				
Comment Code					
Inspector Comment					
2011 - Small scallop caused by erosion and wave wash. 2015: No observed changes. [2015 Site ID: STM_24-1_R]					

Photo 1 of 1 : FA_2016_RD0349_205_19_20160913_00012.jpg



USACE 2013 Photo #1

LM Start	2.11	Rating **	M	Issue No.	16
LM End	2.14	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.279017 °	38.278597 °
				-121.589615 °	-121.589854 °
DWR ID	DWR_RD0349_02_s_2016_16				
Comment Code					
Inspector Comment					
1997 - Top right bank has retreated into the levee. Site is between two rock sites. 1999 - Downstream half of the reach repaired with rock. 2000 - Trees leaning into the water. 2010 - Site appears worse. 2011 - New erosion at the toe. 2013 - Short vertical sections observed at upstream end. 2015: Minor new erosion. [2015 Site ID: STM_23-9_R]					

Photo 1 of 1 : FA_2016_RD0349_205_16_20160913_00011.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	2.36	Rating **	U	Issue No.	64
LM End	4.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275795 °	38.254703 °
				-121.591428 °	-121.599703 °
DWR ID	DWR_RD0349_02_s_2016_64				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The wild weeds on the landside slope and toe needs to be removed.					

Photo 1 of 1 : FA_2016_RD0349_205_64_20161017_00091.jpg



RD 349 Unit 2 looking downstream from levee mile 2.36 landside slope and toe.

LM Start	2.56	Rating **	M	Issue No.	3
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.273854 °	38.271998 °
				-121.588745 °	-121.589424 °
DWR ID	DWR_RD0349_02_s_2016_3				
Comment Code					
Inspector Comment					
2011 - Toe scour at the tidal zone. 2015: New tree popout and minor new erosion. [2015 Site ID: STM_23-6_R]					

Photo 1 of 2 : FA_2016_RD0349_205_3_20160913_00003.jpg



USACE 2013 Photo #1

LM Start	2.56	Rating **	M	Issue No.	3 (cont)
LM End	2.69	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2016_RD0349_205_3_20160913_00004.jpg



USACE 2013 Photo #2

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	3.00	Rating **	M	Issue No.	66
LM End	3.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.267710 °	38.267280 °
				-121.588828 °	-121.588613 °
DWR ID	DWR_RD0349_02_s_2016_66				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Thin the trees on the landside slope.					

No Photos

LM Start	3.38	Rating **	M	Issue No.	11
LM End	3.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.262510 °	38.262533 °
				-121.589481 °	-121.591690 °
DWR ID	DWR_RD0349_02_s_2016_11				
Comment Code					
Inspector Comment					
2010 - Slumping sections on the lower bank, appears to be scouring around the trees. 2011 - Soil beach at toe. 2015: No observed changes. [2015 Site ID: STM_22-8_R]					

Photo 1 of 1 : FA_2016_RD0349_205_11_20160913_00009.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Steamboat Slough	Right	4.32	09/29/2016 09/29/2016	Herman Phillips

LM Start	3.94	Rating **	U	Issue No.	40
LM End	4.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.258062 °	38.254715 °
				-121.595153 °	-121.599900 °
DWR ID	DWR_RD0349_02_f _ 2016_40				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the wild vegetation growth on the landside levee slope.					

Photo 1 of 1 : FA_2016_RD0349_205_40_20161017_00094.jpg



RD 349 Unnit 2 levee mile 3.94-4.31 looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	34
LM End	1.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254752 °	38.275993 °
				-121.600067 °	-121.601013 °
DWR ID	DWR_RD0349_03_f_2016_34				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Tall weeds on the landside levee slope need to be removed from the levee section.					

Photo 1 of 1 : FA_2016_RD0349_206_34_20161017_00070.jpg



RD 349 Unit 3 landside levee slope landside.

LM Start	0.00	Rating **	U	Issue No.	35
LM End	2.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254752 °	38.292205 °
				-121.600067 °	-121.603727 °
DWR ID	DWR_RD0349_03_f_2016_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Tall weeds on the waterside levee slope need to be removed.					

Photo 1 of 1 : FA_2016_RD0349_206_35_20161017_00071.jpg



RD 349 Unit 3 levee mile 0.00 waterside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	0.04	Rating **	U	Issue No.	37
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.255327°	38.255327°
				-121.600033°	-121.600033°
DWR ID	DWR_RD0349_03_f_2016_37				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Dead tree on the waterside slope (large). This tree will fall and block access to the levee crown roadway.					

Photo 1 of 1 : FA_2016_RD0349_206_37_20161017_00072.jpg



RD 349 Unit 3 levee mile 0.04 waterside slope.

LM Start	0.30	Rating **	M	Issue No.	59
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.259081 °	38.259081 °
				-121.600046 °	-121.600046 °
DWR ID	DWR_RD0349_03_s_2014_59				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limb from the landside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0349 Sutter Island

The dead tree listed in last inspection has not been completely removed, nor has the woody tree growth been thinned out.

Cut up fallen tree on waterside slope.

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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	1.77	Rating **	U	Issue No.	39
LM End	6.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.279535 °	38.329043 °
				-121.600312 °	-121.579382 °
DWR ID	DWR_RD0349_03_f_2016_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
There hasn't been any maintenance done to the levee slope landside and the waterside from here to the end levee mile 6.31.					

Photo 1 of 1 : FA_2016_RD0349_206_39_20161017_00073.jpg



RD 349 Unit 3 levee mile 1.77 through to levee mile 6.31.

LM Start	1.92	Rating **	M	Issue No.	2
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.310959 °	38.311288 °
				-121.597748 °	-121.596972 °
DWR ID	DWR_RD0349_03_s_2016_2				
Comment Code					
Inspector Comment					
2015: Tall vertical sections into the levee slope and erosion along the toe. [2015 Site ID: STR_26-1_R]					

No Photos

LM Start	2.74	Rating **	M	Issue No.	40
LM End	3.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.292205 °	38.295762 °
				-121.603727 °	-121.604755 °
DWR ID	DWR_RD0349_03_f_2016_40				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
There is a veg site here that has not been maintained, the site is not managed and not maintained.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	3.02	Rating **	U	Issue No.	41
LM End	6.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.296065 °	38.329043 °
				-121.604718 °	-121.579382 °
DWR ID	DWR_RD0349_03_f_2016_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
From levee mile 3.02 to levee mile 6.31 water side slope is overgrown with tall weeds and other wild vegetation.					

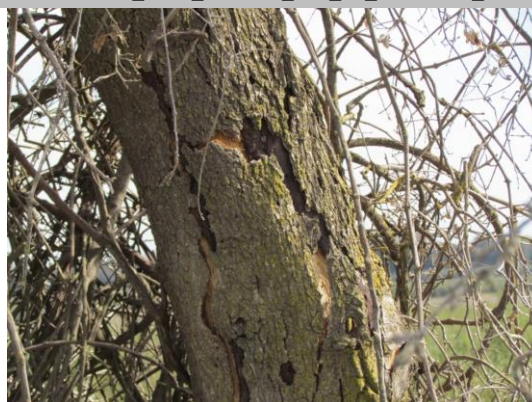
Photo 1 of 1 : FA_2016_RD0349_206_41_20161017_00074.jpg



RD 349 Unit 3 levee mile 3.02 looking downstream waterside.

LM Start	3.19	Rating **	U	Issue No.	73
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.298223 °	38.298223 °
				-121.603240 °	-121.603240 °
DWR ID	DWR_RD0349_03_f_2014_73				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
This tree on the landside slope is rotten and could possibly fall across levee section.					

Photo 1 of 2 : FA_2016_RD0349_206_73_20160913_00004.jpg



Close up view of dead tree standing above crown roadway.

LM Start	3.19	Rating **	U	Issue No.	73 (cont)
LM End	3.19	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_RD0349_206_73_20160913_00005.jpg



Dead tree above crown roadway landward.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	4.20	Rating **	M	Issue No.	78
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.310528 °	38.310528 °
				-121.597180 °	-121.597180 °
DWR ID	DWR_RD0349_03_f_2014_78				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Dead tree need removing from levee section.					

No Photos

LM Start	4.74	Rating **	U	Issue No.	80
LM End	6.30	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.316183 °	38.329088 °
				-121.590735 °	-121.579400 °
DWR ID	DWR_RD0349_03_f_2015_80				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
The crown roadway should be keep free of vegetation. No new picture, the conditions has not changed since last inspection.					

Photo 1 of 1 : FA_2016_RD0349_206_80_20160913_00006.jpg



RD 349 Levee mile 4.74 looking at overgrown crown roadway. Weeds are taller than four feet. Extreme fire hazard.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	5.04	Rating **	M	Issue No.	42
LM End	5.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.320321°	38.320321°
				-121.589617°	-121.589617°
DWR ID	DWR_RD0349_03_f_2016_42				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
This elderberry bush here can be trimmed so the ground can be seen.					

No Photos

LM Start	5.06	Rating **	M	Issue No.	3
LM End	5.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.320491 °	38.322233 °
				-121.589927 °	-121.590127 °
DWR ID	DWR_RD0349_03_s_2016_3				
Comment Code					
Inspector Comment					
2015: Large Tree popout and tall vertical sections into the levee slope. [2015 Site ID: STR_26-9_L]					

No Photos

LM Start	5.22	Rating **	M	Issue No.	21
LM End	5.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.322693 °	38.322693 °
				-121.589327 °	-121.589327 °
DWR ID	DWR_RD0349_03_s_2012_21				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Remove tree limbs over hanging roadway.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	5.25	Rating **	M	Issue No.	36
LM End	5.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.322868°	38.322868°
				-121.588868°	-121.588868°
DWR ID	DWR_RD0349_03_f_2012_36				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Remove tree limb hanging over roadway.					

No Photos

LM Start	5.83	Rating **	M	Issue No.	88
LM End	5.83	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.329465 °	38.329465 °
				-121.584995 °	-121.584995 °
DWR ID	DWR_RD0349_03_f_2014_88				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Trim the tree limb hanging over crown roadway.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0349 Sutter Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sutter Slough	Left	6.50	09/29/2016 09/29/2016	Herman Phillips

LM Start	5.89	Rating **	M	Issue No.	90
LM End	5.89	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.330308°	38.330308°
				-121.584560°	-121.584560°
DWR ID	DWR_RD0349_03_f_2014_90				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Trim the tree limb hanging over crown roadway.					

No Photos

LM Start	6.09	Rating **	M	Issue No.	86
LM End	6.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.331327 °	38.331327 °
				-121.582067 °	-121.582067 °
DWR ID	DWR_RD0349_03_f_2014_86				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Trim the tree limb hanging over crown roadway.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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